

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) ~~Process-A process~~ for digital message transmission in the-a packet mode, ~~in which process the~~where transmitted signals are sampled at ~~the~~an end of a transmission link by means of a device for timing recovery and are then further processed, and ~~in which process~~where the signals are fed to a discriminator simultaneously via two separate paths, a delay path and a path fitted with a filter,

wherein:

a wideband bandpass filter with a relative bandwidth of 0.2 % to 0.4 % of ~~the~~a bit timing of the transmitted signals is used as ~~a~~the filter, ~~whose~~a transient recovery time ~~of the~~wideband bandpass filter is less than ~~the~~a time by which the signals are delayed on the delay path, ~~which in turn~~and the time by which the signals are delayed on the delay path is less than ~~the~~a decay time of the wideband bandpass filter, and

an amplifier limiting ~~the~~an amplitude of ~~the~~an output voltage of the same limiting amplifier via which the timing signals are brought to ~~the~~a required constant level, is connected downstream of the bandpass filter.

2. (currently amended) ~~Process-~~The process according to Claim 1, wherein ~~a~~the
wideband bandpass filter ~~with~~has a relative bandwidth of 0.3 % of the bit timing of the
transmitted signals~~is used.~~

3. (currently amended) ~~Process-~~A process according to Claim 1, wherein
a circuit with two parallel paths in which each is an identical low-pass filter
arranged between two analogue multipliers, is used as the bandpass filter, and
~~the~~a local timing is applied to the multipliers of ~~the~~ one of the two parallel
pathspath, while the local timing shifted by 90° is applied to the multipliers of the other ~~path~~one
of the two parallel paths.

4. (currently amended) ~~Process-~~The process according to Claim 3, wherein a
sample-and-hold element is inserted in each ~~ease~~of the two parallel paths in ~~the~~a direction of
transmission prior to the low-pass filters.

5. (currently amended) ~~Process-~~The process according to Claim 1, wherein ~~the~~
coding of the signals prior to the bandpass filter is converted from an NRZ code to an RZ code.

6. (currently amended) Receiver A receiver for an optical telecommunications

system for the transmission of optical data packets, wherein

a wideband bandpass filter with a relative bandwidth of 0.2 % to 0.4 % of ~~the-a~~ bit timing of the transmitted signals is used as ~~a~~the filter, ~~whose-a~~ transient recovery time of the wideband bandpass filter is less than ~~the-a~~ time by which the signals are delayed on the delay path, ~~which in turn~~and the time by which the signals are delayed on the delay path is less than ~~the~~ a decay time of the wideband bandpass filter, and

wherein an amplifier limiting ~~the-an~~ amplitude of ~~the-an~~ output voltage of the ~~same~~ limiting amplifier via which the ~~timing~~ signals are brought to ~~the-a~~ required constant level, is connected to the bandpass filter.